

LOCAL ENERGY DATA WORKSHOP

9/10 September

With:

Tamar Bourne, senior project manager – smart energy lead, Regen

David Richardson, innovation lead for energy systems, UKRI

Tim Crook, senior project manager, Regen

Mark Howard, project manager, Regen



Welcome and introduction

Tamar Bourne, senior project manager – smart energy lead, Regen
David Richardson, innovation lead for energy systems, UKRI

Learnings and feedback from the Survey

Tim Crook, senior project manager, Regen

Breakout sessions

Facilitated by the project team

Feedback and next steps

Project team members

Close

Prospering from the Energy Revolution:

Committing >£100m in public funding



Future energy model proving

Practical demonstrators
£51m

A photograph of a city at night with glowing energy lines and nodes overlaid on the buildings.

Future designs
£22m

A 3D architectural rendering of a city with glowing energy lines and nodes overlaid on the buildings.

Innovation Accelerator

Fast Start Projects

Key-technology components

£11m

Modernising Energy Data
Access (MEDA)

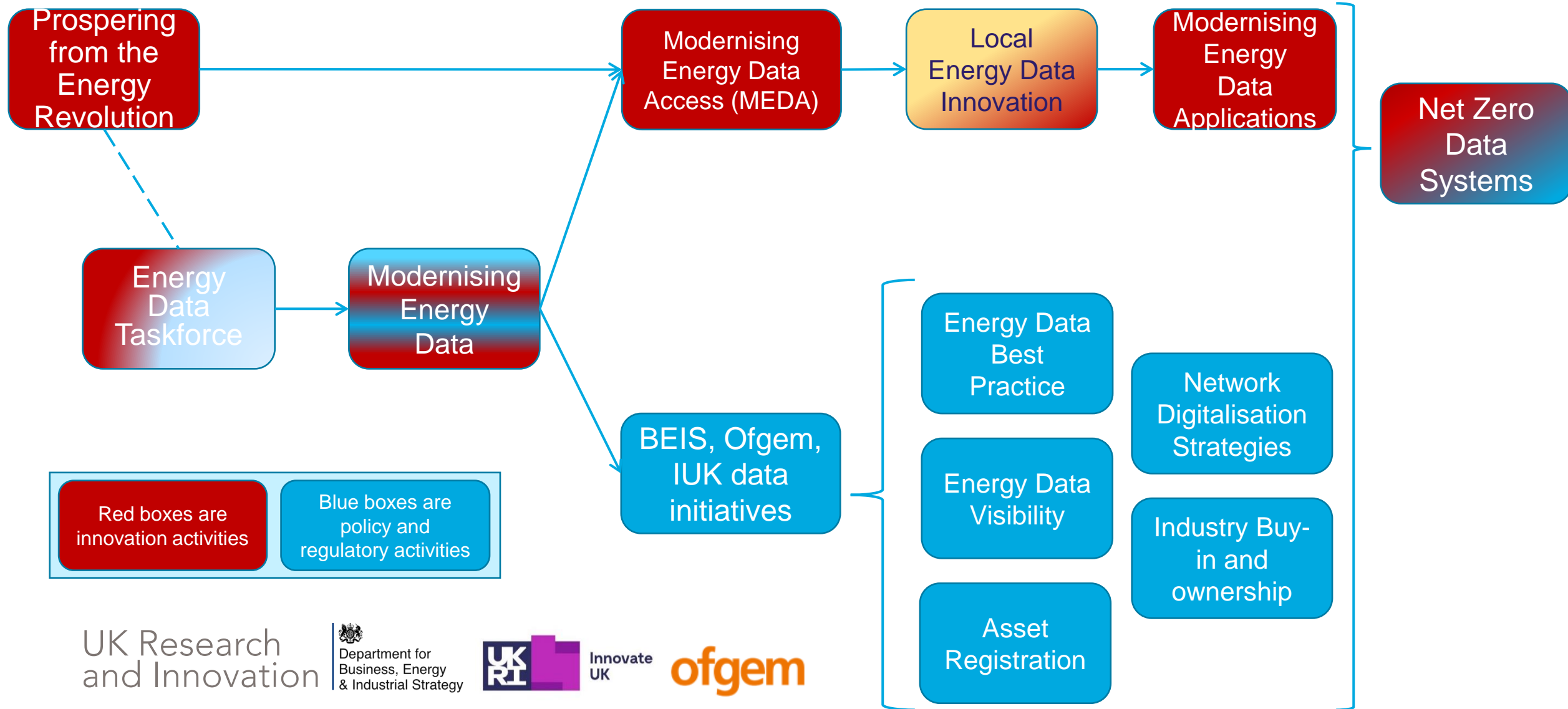
Modernising Energy Data
Applications (MEDApps)

Research, Expertise, Capability, Coordination

ERIS **£16m** EnergyREV

A photograph of a person's hands working on a laptop with a blue overlay and network lines.

The Modernising Energy Data (MED) programme



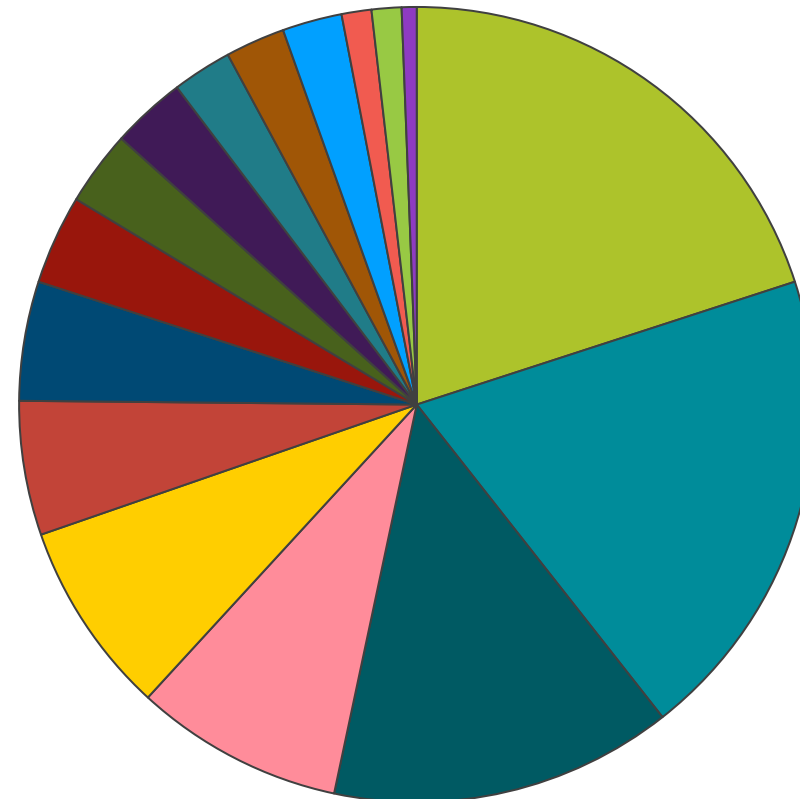
ONLINE SURVEY ANALYSIS




- There were 165 full responses to the survey with representation from all the sectors of interest
- The most responses were from consultancies (20%), community and campaigning organisations (19%) and local authorities (14%)
- The 'Other' category represented 4% of respondents and included two smallholdings and several that fit into more than one category
- Most respondents had used one or more of the suggested tools before – only 17% had not used any of them
- Of the tools listed, network capacity maps and the National Grid FES were the most used, each accounting for about 26% of the selection. This was far higher than the next most popular; Carbon Intensity Tool (15%)



Respondents by organisation type



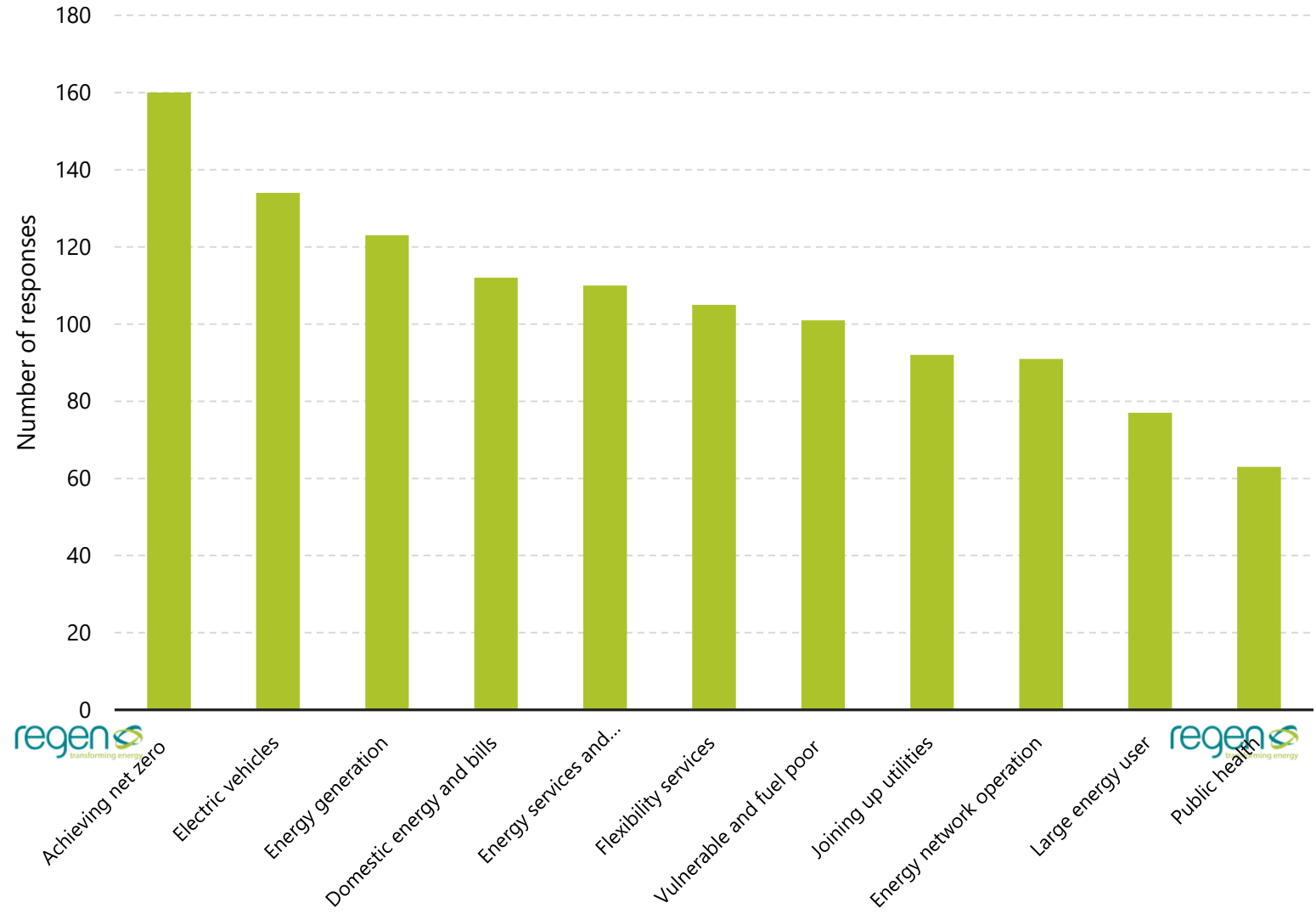
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- Consultancy
 - Community or campaigning organisation
 - Local authority
 - Researcher
 - Tech company
 - Energy supplier or service provider
 - Installer/operator
 - Other
 - Energy network operator
 - EV / storage provider
 - Generation developer
 - Government/regulator
 - Built environment
 - Large energy consumer
 - Non-energy utility
 - Healthcare provider



Findings

- Nearly all (97%) of respondents were interested in 'achieving net zero and local decarbonisation'.
- Some caution should be taken in comparing levels of interest as it reflects the types of organisations that responded to the survey and not the full spectrum of stakeholders.

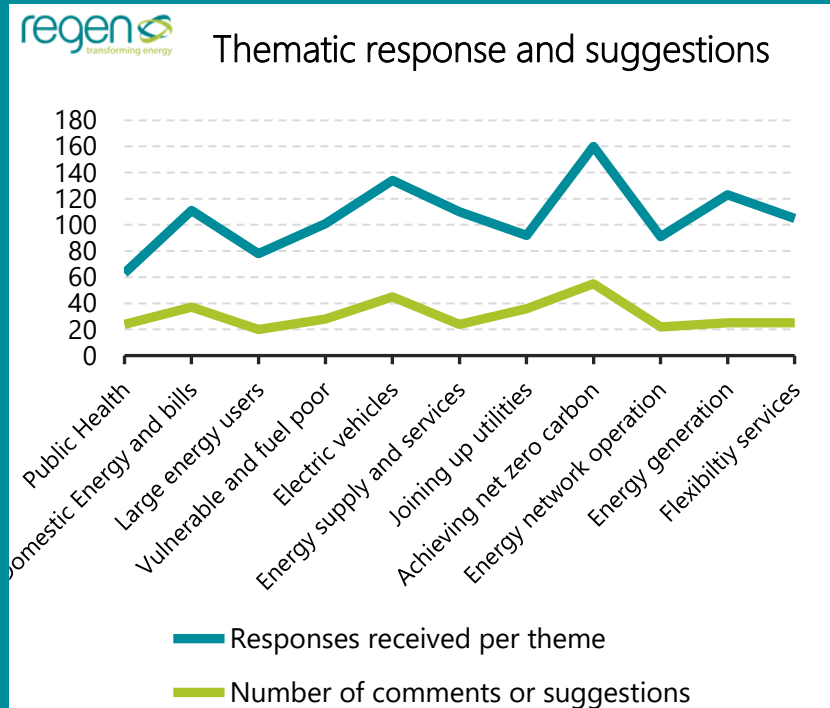
Interest in different themes



Findings

- Most of the problem statements we suggested were considered relevant by survey respondents
- Respondents made 341 comments or suggestions, with most being focused on achieving net zero carbon, Electric vehicles, domestic energy and bills and joining up utilities

Theme	Responses received per theme	Problem statement scores			Number of comments or suggestions
		Statement 1	Statement 2	Statement 3	
Public Health	63	3.8	4	3.1	24
Domestic Energy and bills	111	4	4.5	3.9	37
Large energy users	78	4.2	3.9	4.1	20
Vulnerable and fuel poor	101	4.2	4.5	4.2	28
Electric vehicles	134	4.3	3.5	3.1	45
Energy supply and services	110	3.6	3.7	3.7	24
Joining up utilities	92	4.4	3.5	2.7	36
Achieving net zero carbon	160	4.3	4.3	4.3	55
Energy network operation	91	3.8	3.8	3.8	22
Energy generation	123	3.8	4	4.2	25
Flexibility services	105	4.2	4.3	4.3	25
Scale		0	2.5	5	



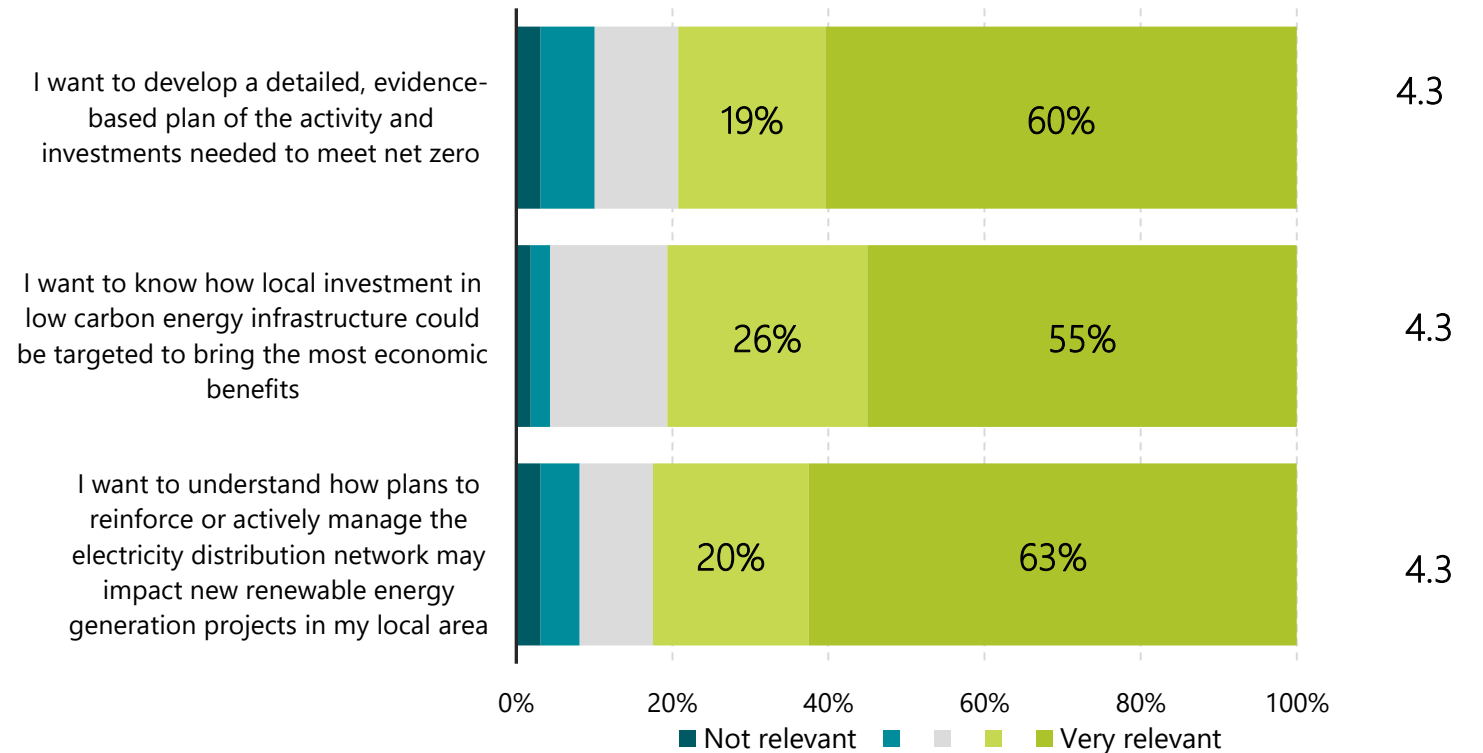
Findings

- Overwhelmingly popular theme, with 97% of respondents saying they were interested
- all three use case examples given were important to the respondents, with each one holding an average scoring over 4
- There were a large number of additional suggestions given for challenges and barriers



Relevance rating of each problem statement (% of respondents)

Average rating

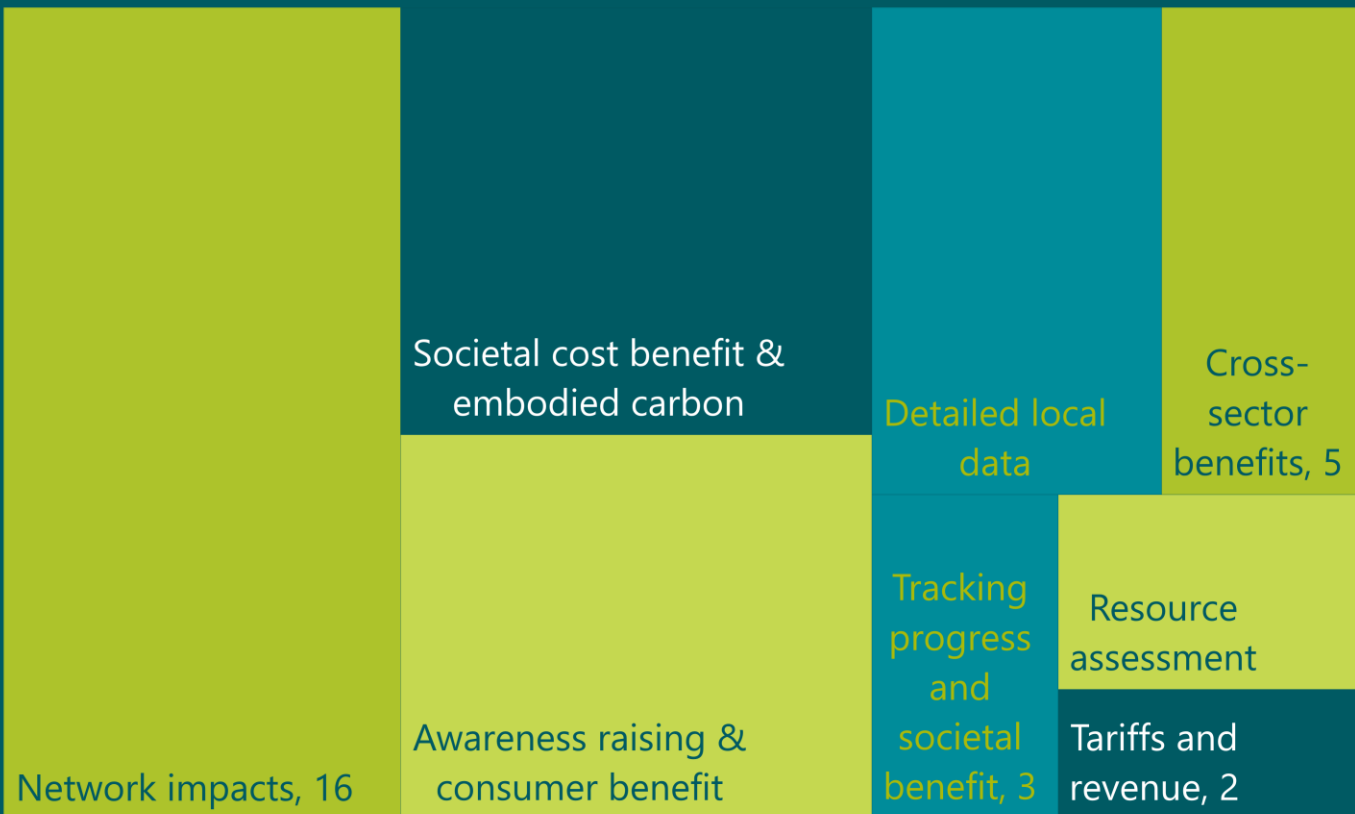


Achieving net zero: Additional use cases

"I want to be able to understand capacity constraints in my area to plan for electrified heat and transport"

"Low visibility of low-voltage networks and lack of network topology"

Themes within additional problem statements identified



"As a consumer, I want to understand how my energy behaviours can help to achieve net-zero"

"How can the benefits/value from local decarbonisation be shared with local communities and businesses"

BREAKOUT GROUPS



THANK YOU FOR JOINING US

